



8165 E. Kaiser Blvd. Anaheim, CA 92808  
www.lightlaboratory.com

## Photometric Test Report

### IES FLOOD REPORT

PHOTOMETRIC FILENAME : L052510779.IES

### DESCRIPTIVE INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L052510779  
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
[ISSUE DATE] 6/4/2025  
[MANUFAC] Vista Professional Outdoor Lighting  
[LUMCAT] 1142-MF-RGBW-(B)  
[LUMINAIRE] 1142 Medium Flood Blue Output  
[BALLASTCAT] ELDOLED PW50U-M4Z0X1  
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
[MORE] Base file 80239581-31  
[INPUT] 120VAC  
[TEST PROCEDURE] IESNA:LM-79-19

Note: Candela values converted from Type-C to Type-B

### CHARACTERISTICS

NEMA Type	7 H x 5 V
Maximum Candela	161
Maximum Candela Angle	-1H -11V
Horizontal Beam Angle (50%)	96.4
Vertical Beam Angle (50%)	62.2
Horizontal Field Angle (10%)	140.5
Vertical Field Angle (10%)	93.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	177
Beam Efficiency	N.A.
Field Lumens	243
Field Efficiency	N.A.
Spill Lumens	18
Luminaire Lumens	261
Total Efficiency	N.A.
Total Luminaire Watts	20.15
Ballast Factor	1.00

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**AXIAL CANDELA**

DEG.	HOR.	DEG.	VERT.
90	0	90	0
85	1	85	0
75	8	75	3
65	28	65	6
55	61	55	10
47.5	87	47.5	15
42.5	102	42.5	25
37.5	114	37.5	43
33	122	33	68
29	131	29	94
25.5	135	25.5	116
22.5	140	22.5	132
19.5	143	19.5	145
17	145	17	152
15	147	15	158
13	149	13	159
11	151	11	160
9	151	9	160
7	152	7	158
5	154	5	156
3	154	3	155
1	154	1	154
0	154	0	154
-1	154	-1	154
-3	154	-3	155
-5	154	-5	156
-7	152	-7	158
-9	151	-9	160
-11	151	-11	160
-13	149	-13	159
-15	147	-15	158
-17	145	-17	152
-19.5	143	-19.5	145
-22.5	140	-22.5	132
-25.5	135	-25.5	116
-29	131	-29	94
-33	122	-33	68
-37.5	114	-37.5	43
-42.5	102	-42.5	25
-47.5	87	-47.5	15
-55	61	-55	10
-65	28	-65	6
-75	8	-75	3
-85	1	-85	0
-90	0	-90	0

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**CANDELA TABULATION**

Maximum Candela = 161

Beam Edge = 80.5 Cd (50% of Max.)

Field Edge = 16.1 Cd (10% of Max.)

\* Indicates Values Inside Field Edge

<b>Vert. Angles</b>	<b>Horizontal Angles</b>									
	<b><u>-90.0</u></b>	<b><u>-85.0</u></b>	<b><u>-75.0</u></b>	<b><u>-65.0</u></b>	<b><u>-55.0</u></b>	<b><u>-47.5</u></b>	<b><u>-42.5</u></b>	<b><u>-37.5</u></b>	<b><u>-33.0</u></b>	<b><u>-29.0</u></b>
<b>90.0</b>	0	0	0	0	0	0	0	0	0	0
<b>85.0</b>	0	0	0	0	0	0	0	0	0	0
<b>75.0</b>	0	0	0	1	2	2	2	2	3	3
<b>65.0</b>	0	0	1	3	5	5	6	6	6	6
<b>55.0</b>	0	0	2	6	9	10	11	10	10	10
<b>47.5</b>	0	0	4	9	13	15	16	16	17 *	16
<b>42.5</b>	0	0	5	11	17 *	20 *	22 *	23 *	23 *	24 *
<b>37.5</b>	0	1	5	13	22 *	27 *	30 *	33 *	36 *	37 *
<b>33.0</b>	0	1	6	15	27 *	36 *	41 *	46 *	50 *	54 *
<b>29.0</b>	0	1	6	17 *	32 *	44 *	52 *	61 *	68 *	74 *
<b>25.5</b>	0	1	7	19 *	37 *	53 *	64 *	75 *	84 *	92 *
<b>22.5</b>	0	1	7	20 *	41 *	60 *	74 *	87 *	97 *	105 *
<b>19.5</b>	0	1	7	22 *	45 *	67 *	83 *	96 *	107 *	116 *
<b>17.0</b>	0	1	7	23 *	49 *	73 *	89 *	103 *	114 *	123 *
<b>15.0</b>	0	1	8	24 *	51 *	77 *	93 *	108 *	118 *	127 *
<b>13.0</b>	0	1	8	24 *	54 *	80 *	96 *	110 *	121 *	130 *
<b>11.0</b>	0	1	8	25 *	56 *	83 *	98 *	112 *	123 *	132 *
<b>9.0</b>	0	1	8	26 *	58 *	84 *	100 *	113 *	124 *	132 *
<b>7.0</b>	0	1	8	26 *	60 *	85 *	101 *	114 *	124 *	132 *
<b>5.0</b>	0	1	8	27 *	60 *	86 *	101 *	115 *	124 *	131 *
<b>3.0</b>	0	1	8	27 *	61 *	87 *	102 *	115 *	123 *	130 *
<b>1.0</b>	0	1	8	28 *	61 *	87 *	102 *	114 *	123 *	131 *
<b>0.0</b>	0	1	8	28 *	61 *	87 *	102 *	114 *	122 *	131 *
<b>-1.0</b>	0	1	8	28 *	61 *	87 *	102 *	114 *	123 *	131 *
<b>-3.0</b>	0	1	8	27 *	61 *	87 *	102 *	115 *	123 *	130 *
<b>-5.0</b>	0	1	8	27 *	60 *	86 *	101 *	115 *	124 *	131 *
<b>-7.0</b>	0	1	8	26 *	60 *	85 *	101 *	114 *	124 *	132 *
<b>-9.0</b>	0	1	8	26 *	58 *	84 *	100 *	113 *	124 *	132 *
<b>-11.0</b>	0	1	8	25 *	56 *	83 *	98 *	112 *	123 *	132 *
<b>-13.0</b>	0	1	8	24 *	54 *	80 *	96 *	110 *	121 *	130 *
<b>-15.0</b>	0	1	8	24 *	51 *	77 *	93 *	108 *	118 *	127 *
<b>-17.0</b>	0	1	7	23 *	49 *	73 *	89 *	103 *	114 *	123 *
<b>-19.5</b>	0	1	7	22 *	45 *	67 *	83 *	96 *	107 *	116 *
<b>-22.5</b>	0	1	7	20 *	41 *	60 *	74 *	87 *	97 *	105 *
<b>-25.5</b>	0	1	7	19 *	37 *	53 *	64 *	75 *	84 *	92 *
<b>-29.0</b>	0	1	6	17 *	32 *	44 *	52 *	61 *	68 *	74 *
<b>-33.0</b>	0	1	6	15	27 *	36 *	41 *	46 *	50 *	54 *
<b>-37.5</b>	0	1	5	13	22 *	27 *	30 *	33 *	36 *	37 *
<b>-42.5</b>	0	0	5	11	17 *	20 *	22 *	23 *	23 *	24 *
<b>-47.5</b>	0	0	4	9	13	15	16	16	17 *	16
<b>-55.0</b>	0	0	2	6	9	10	11	10	10	10
<b>-65.0</b>	0	0	1	3	5	5	6	6	6	6
<b>-75.0</b>	0	0	0	1	2	2	2	2	3	3
<b>-85.0</b>	0	0	0	0	0	0	0	0	0	0
<b>-90.0</b>	0	0	0	0	0	0	0	0	0	0

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CANDELA TABULATION - (Cont.)

Vert. Angles	Horizontal Angles									
	<u>-25.5</u>	<u>-22.5</u>	<u>-19.5</u>	<u>-17.0</u>	<u>-15.0</u>	<u>-13.0</u>	<u>-11.0</u>	<u>-9.0</u>	<u>-7.0</u>	<u>-5.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	3	3	3	3	3	3	3	3	3	3
65.0	6	6	6	6	6	6	6	6	6	6
55.0	10	10	10	10	10	9	9	10	10	10
47.5	16	16	17 *	16	16	16	16	16	16	15
42.5	25 *	24 *	25 *	25 *	25 *	25 *	26 *	26 *	25 *	25 *
37.5	38 *	40 *	40 *	41 *	41 *	42 *	43 *	43 *	42 *	42 *
33.0	58 *	60 *	62 *	63 *	64 *	65 *	66 *	67 *	67 *	67 *
29.0	79 *	82 *	85 *	87 *	89 *	90 *	92 *	92 *	92 *	93 *
25.5	97 *	101 *	105 *	107 *	110 *	111 *	113 *	114 *	115 *	115 *
22.5	111 *	116 *	120 *	123 *	125 *	127 *	129 *	130 *	130 *	131 *
19.5	122 *	128 *	132 *	135 *	137 *	138 *	141 *	142 *	143 *	144 *
17.0	130 *	135 *	139 *	142 *	145 *	146 *	148 *	150 *	151 *	151 *
15.0	134 *	139 *	144 *	147 *	149 *	151 *	152 *	154 *	156 *	155 *
13.0	136 *	142 *	146 *	149 *	151 *	154 *	156 *	157 *	158 *	158 *
11.0	138 *	143 *	147 *	151 *	153 *	154 *	156 *	158 *	159 *	159 *
9.0	139 *	144 *	148 *	151 *	152 *	154 *	156 *	158 *	158 *	159 *
7.0	138 *	143 *	147 *	150 *	151 *	153 *	154 *	156 *	156 *	157 *
5.0	137 *	142 *	145 *	148 *	150 *	152 *	154 *	155 *	155 *	156 *
3.0	136 *	140 *	144 *	147 *	148 *	150 *	151 *	152 *	154 *	154 *
1.0	136 *	140 *	143 *	146 *	148 *	150 *	151 *	152 *	152 *	154 *
0.0	135 *	140 *	143 *	145 *	147 *	149 *	151 *	151 *	152 *	154 *
-1.0	136 *	140 *	143 *	146 *	148 *	150 *	151 *	152 *	152 *	154 *
-3.0	136 *	140 *	144 *	147 *	148 *	150 *	151 *	152 *	154 *	154 *
-5.0	137 *	142 *	145 *	148 *	150 *	152 *	154 *	155 *	155 *	156 *
-7.0	138 *	143 *	147 *	150 *	151 *	153 *	154 *	156 *	156 *	157 *
-9.0	139 *	144 *	148 *	151 *	152 *	154 *	156 *	158 *	158 *	159 *
-11.0	138 *	143 *	147 *	151 *	153 *	154 *	156 *	158 *	159 *	159 *
-13.0	136 *	142 *	146 *	149 *	151 *	154 *	156 *	157 *	158 *	158 *
-15.0	134 *	139 *	144 *	147 *	149 *	151 *	152 *	154 *	156 *	155 *
-17.0	130 *	135 *	139 *	142 *	145 *	146 *	148 *	150 *	151 *	151 *
-19.5	122 *	128 *	132 *	135 *	137 *	138 *	141 *	142 *	143 *	144 *
-22.5	111 *	116 *	120 *	123 *	125 *	127 *	129 *	130 *	130 *	131 *
-25.5	97 *	101 *	105 *	107 *	110 *	111 *	113 *	114 *	115 *	115 *
-29.0	79 *	82 *	85 *	87 *	89 *	90 *	92 *	92 *	92 *	93 *
-33.0	58 *	60 *	62 *	63 *	64 *	65 *	66 *	67 *	67 *	67 *
-37.5	38 *	40 *	40 *	41 *	41 *	42 *	43 *	43 *	42 *	42 *
-42.5	25 *	24 *	25 *	25 *	25 *	25 *	26 *	26 *	25 *	25 *
-47.5	16	16	17 *	16	16	16	16	16	16	15
-55.0	10	10	10	10	10	9	9	10	10	10
-65.0	6	6	6	6	6	6	6	6	6	6
-75.0	3	3	3	3	3	3	3	3	3	3
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Angles	Horizontal Angles									
	<u>-3.0</u>	<u>-1.0</u>	<u>0.0</u>	<u>1.0</u>	<u>3.0</u>	<u>5.0</u>	<u>7.0</u>	<u>9.0</u>	<u>11.0</u>	<u>13.0</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	3	3	3	3	3	3	3	3	3	3
65.0	6	6	6	6	6	6	6	6	6	6

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CANDELA TABULATION - (Cont.)

55.0	10	10	10	10	10	10	10	10	9	9
47.5	15	15	15	15	15	15	16	16	16	16
42.5	25 *	25 *	25 *	25 *	25 *	25 *	25 *	26 *	26 *	25 *
37.5	43 *	43 *	43 *	43 *	43 *	42 *	42 *	43 *	43 *	42 *
33.0	67 *	68 *	68 *	68 *	67 *	67 *	67 *	67 *	66 *	65 *
29.0	93 *	94 *	94 *	94 *	93 *	93 *	92 *	92 *	92 *	90 *
25.5	116 *	116 *	116 *	116 *	116 *	115 *	115 *	114 *	113 *	111 *
22.5	132 *	133 *	132 *	133 *	132 *	131 *	130 *	130 *	129 *	127 *
19.5	145 *	145 *	145 *	145 *	145 *	144 *	143 *	142 *	141 *	138 *
17.0	152 *	152 *	152 *	152 *	152 *	151 *	151 *	150 *	148 *	146 *
15.0	155 *	156 *	158 *	156 *	155 *	155 *	156 *	154 *	152 *	151 *
13.0	158 *	160 *	159 *	160 *	158 *	158 *	158 *	157 *	156 *	154 *
11.0	160 *	161 *	160 *	161 *	160 *	159 *	159 *	158 *	156 *	154 *
9.0	159 *	160 *	160 *	160 *	159 *	159 *	158 *	158 *	156 *	154 *
7.0	158 *	159 *	158 *	159 *	158 *	157 *	156 *	156 *	154 *	153 *
5.0	156 *	156 *	156 *	156 *	156 *	156 *	155 *	155 *	154 *	152 *
3.0	155 *	155 *	155 *	155 *	155 *	154 *	154 *	152 *	151 *	150 *
1.0	154 *	154 *	154 *	154 *	154 *	154 *	154 *	152 *	151 *	150 *
0.0	154 *	154 *	154 *	154 *	154 *	154 *	154 *	152 *	151 *	149 *
-1.0	154 *	154 *	154 *	154 *	154 *	154 *	154 *	152 *	151 *	150 *
-3.0	155 *	155 *	155 *	155 *	155 *	154 *	154 *	152 *	151 *	150 *
-5.0	156 *	156 *	156 *	156 *	156 *	156 *	155 *	155 *	154 *	152 *
-7.0	158 *	159 *	158 *	159 *	158 *	157 *	156 *	156 *	154 *	153 *
-9.0	159 *	160 *	160 *	160 *	159 *	159 *	158 *	158 *	156 *	154 *
-11.0	160 *	161 *	160 *	161 *	160 *	159 *	159 *	158 *	156 *	154 *
-13.0	158 *	160 *	159 *	160 *	158 *	158 *	158 *	157 *	156 *	154 *
-15.0	155 *	156 *	158 *	156 *	155 *	155 *	156 *	154 *	152 *	151 *
-17.0	152 *	152 *	152 *	152 *	152 *	151 *	151 *	150 *	148 *	146 *
-19.5	145 *	145 *	145 *	145 *	145 *	144 *	143 *	142 *	141 *	138 *
-22.5	132 *	133 *	132 *	133 *	132 *	131 *	130 *	130 *	129 *	127 *
-25.5	116 *	116 *	116 *	116 *	116 *	115 *	115 *	114 *	113 *	111 *
-29.0	93 *	94 *	94 *	94 *	93 *	93 *	92 *	92 *	92 *	90 *
-33.0	67 *	68 *	68 *	68 *	67 *	67 *	67 *	67 *	66 *	65 *
-37.5	43 *	43 *	43 *	43 *	43 *	42 *	42 *	43 *	43 *	42 *
-42.5	25 *	25 *	25 *	25 *	25 *	25 *	25 *	26 *	26 *	25 *
-47.5	15	15	15	15	15	15	16	16	16	16
-55.0	10	10	10	10	10	10	10	10	9	9
-65.0	6	6	6	6	6	6	6	6	6	6
-75.0	3	3	3	3	3	3	3	3	3	3
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

Vert. Horizontal Angles  
Angles

	<u>15.0</u>	<u>17.0</u>	<u>19.5</u>	<u>22.5</u>	<u>25.5</u>	<u>29.0</u>	<u>33.0</u>	<u>37.5</u>	<u>42.5</u>	<u>47.5</u>
90.0	0	0	0	0	0	0	0	0	0	0
85.0	0	0	0	0	0	0	0	0	0	0
75.0	3	3	3	3	3	3	3	2	2	2
65.0	6	6	6	6	6	6	6	6	6	5
55.0	10	10	10	10	10	10	10	10	11	10
47.5	16	16	17 *	16	16	16	17 *	16	16	15
42.5	25 *	25 *	25 *	24 *	25 *	24 *	23 *	23 *	22 *	20 *
37.5	41 *	41 *	40 *	40 *	38 *	37 *	36 *	33 *	30 *	27 *
33.0	64 *	63 *	62 *	60 *	58 *	54 *	50 *	46 *	41 *	36 *
29.0	89 *	87 *	85 *	82 *	79 *	74 *	68 *	61 *	52 *	44 *
25.5	110 *	107 *	105 *	101 *	97 *	92 *	84 *	75 *	64 *	53 *

**IES FLOOD REPORT**  
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**CANDELA TABULATION - (Cont.)**

22.5	125 *	123 *	120 *	116 *	111 *	105 *	97 *	87 *	74 *	60 *
19.5	137 *	135 *	132 *	128 *	122 *	116 *	107 *	96 *	83 *	67 *
17.0	145 *	142 *	139 *	135 *	130 *	123 *	114 *	103 *	89 *	73 *
15.0	149 *	147 *	144 *	139 *	134 *	127 *	118 *	108 *	93 *	77 *
13.0	151 *	149 *	146 *	142 *	136 *	130 *	121 *	110 *	96 *	80 *
11.0	153 *	151 *	147 *	143 *	138 *	132 *	123 *	112 *	98 *	83 *
9.0	152 *	151 *	148 *	144 *	139 *	132 *	124 *	113 *	100 *	84 *
7.0	151 *	150 *	147 *	143 *	138 *	132 *	124 *	114 *	101 *	85 *
5.0	150 *	148 *	145 *	142 *	137 *	131 *	124 *	115 *	101 *	86 *
3.0	148 *	147 *	144 *	140 *	136 *	130 *	123 *	115 *	102 *	87 *
1.0	148 *	146 *	143 *	140 *	136 *	131 *	123 *	114 *	102 *	87 *
0.0	147 *	145 *	143 *	140 *	135 *	131 *	122 *	114 *	102 *	87 *
-1.0	148 *	146 *	143 *	140 *	136 *	131 *	123 *	114 *	102 *	87 *
-3.0	148 *	147 *	144 *	140 *	136 *	130 *	123 *	115 *	102 *	87 *
-5.0	150 *	148 *	145 *	142 *	137 *	131 *	124 *	115 *	101 *	86 *
-7.0	151 *	150 *	147 *	143 *	138 *	132 *	124 *	114 *	101 *	85 *
-9.0	152 *	151 *	148 *	144 *	139 *	132 *	124 *	113 *	100 *	84 *
-11.0	153 *	151 *	147 *	143 *	138 *	132 *	123 *	112 *	98 *	83 *
-13.0	151 *	149 *	146 *	142 *	136 *	130 *	121 *	110 *	96 *	80 *
-15.0	149 *	147 *	144 *	139 *	134 *	127 *	118 *	108 *	93 *	77 *
-17.0	145 *	142 *	139 *	135 *	130 *	123 *	114 *	103 *	89 *	73 *
-19.5	137 *	135 *	132 *	128 *	122 *	116 *	107 *	96 *	83 *	67 *
-22.5	125 *	123 *	120 *	116 *	111 *	105 *	97 *	87 *	74 *	60 *
-25.5	110 *	107 *	105 *	101 *	97 *	92 *	84 *	75 *	64 *	53 *
-29.0	89 *	87 *	85 *	82 *	79 *	74 *	68 *	61 *	52 *	44 *
-33.0	64 *	63 *	62 *	60 *	58 *	54 *	50 *	46 *	41 *	36 *
-37.5	41 *	41 *	40 *	40 *	38 *	37 *	36 *	33 *	30 *	27 *
-42.5	25 *	25 *	25 *	24 *	25 *	24 *	23 *	23 *	22 *	20 *
-47.5	16	16	17 *	16	16	16	17 *	16	16	15
-55.0	10	10	10	10	10	10	10	10	11	10
-65.0	6	6	6	6	6	6	6	6	6	5
-75.0	3	3	3	3	3	3	3	2	2	2
-85.0	0	0	0	0	0	0	0	0	0	0
-90.0	0	0	0	0	0	0	0	0	0	0

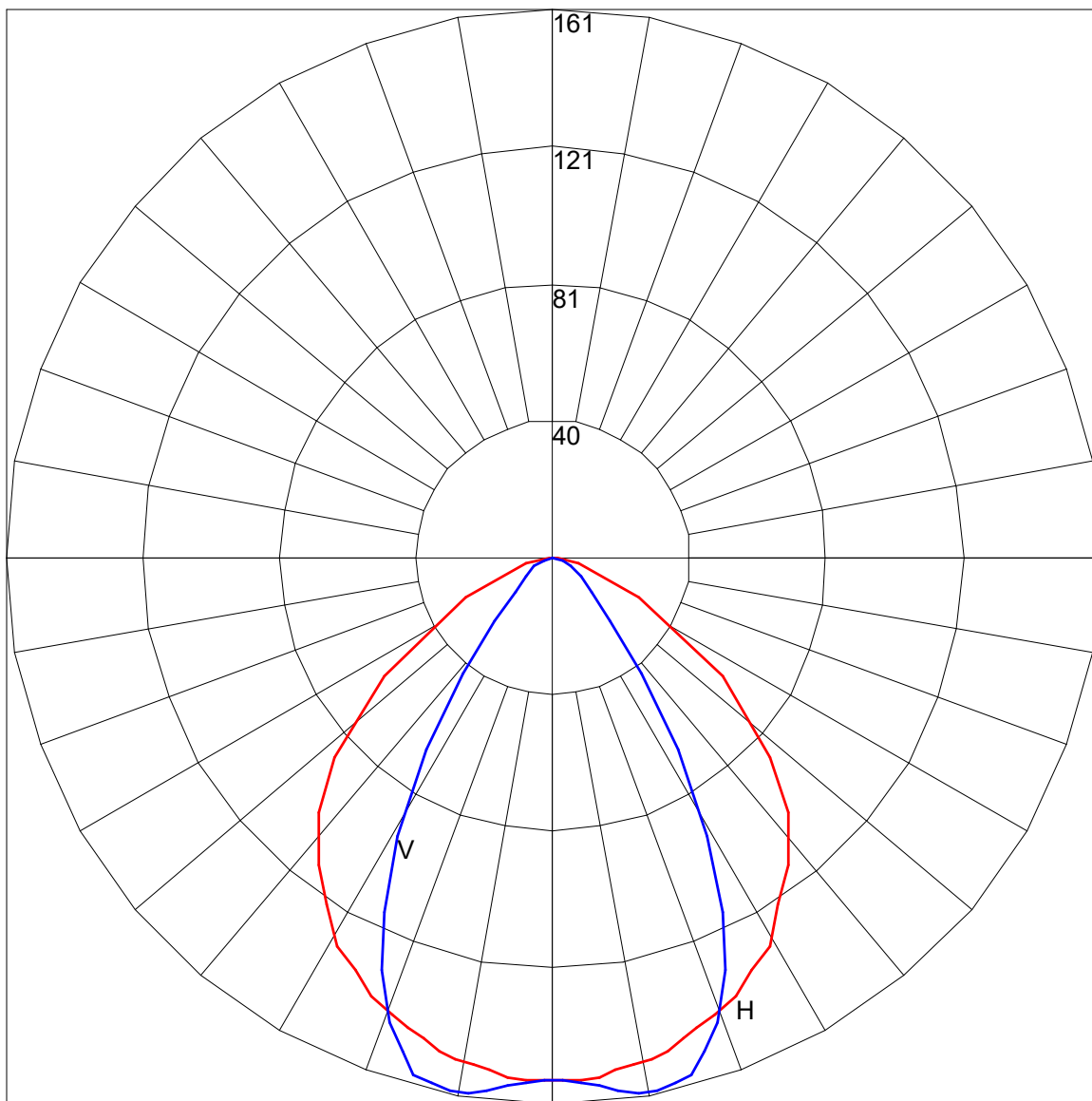
Vert. Angles	Horizontal Angles				
	<u>55.0</u>	<u>65.0</u>	<u>75.0</u>	<u>85.0</u>	<u>90.0</u>
90.0	0	0	0	0	0
85.0	0	0	0	0	0
75.0	2	1	0	0	0
65.0	5	3	1	0	0
55.0	9	6	2	0	0
47.5	13	9	4	0	0
42.5	17 *	11	5	0	0
37.5	22 *	13	5	1	0
33.0	27 *	15	6	1	0
29.0	32 *	17 *	6	1	0
25.5	37 *	19 *	7	1	0
22.5	41 *	20 *	7	1	0
19.5	45 *	22 *	7	1	0
17.0	49 *	23 *	7	1	0
15.0	51 *	24 *	8	1	0
13.0	54 *	24 *	8	1	0
11.0	56 *	25 *	8	1	0
9.0	58 *	26 *	8	1	0

IES FLOOD REPORT  
PHOTOMETRIC FILENAME : L052510779.IES

CANDELA TABULATION - (Cont.)

7.0	60 *	26 *	8	1	0
5.0	60 *	27 *	8	1	0
3.0	61 *	27 *	8	1	0
1.0	61 *	28 *	8	1	0
0.0	61 *	28 *	8	1	0
-1.0	61 *	28 *	8	1	0
-3.0	61 *	27 *	8	1	0
-5.0	60 *	27 *	8	1	0
-7.0	60 *	26 *	8	1	0
-9.0	58 *	26 *	8	1	0
-11.0	56 *	25 *	8	1	0
-13.0	54 *	24 *	8	1	0
-15.0	51 *	24 *	8	1	0
-17.0	49 *	23 *	7	1	0
-19.5	45 *	22 *	7	1	0
-22.5	41 *	20 *	7	1	0
-25.5	37 *	19 *	7	1	0
-29.0	32 *	17 *	6	1	0
-33.0	27 *	15	6	1	0
-37.5	22 *	13	5	1	0
-42.5	17 *	11	5	0	0
-47.5	13	9	4	0	0
-55.0	9	6	2	0	0
-65.0	5	3	1	0	0
-75.0	2	1	0	0	0
-85.0	0	0	0	0	0
-90.0	0	0	0	0	0

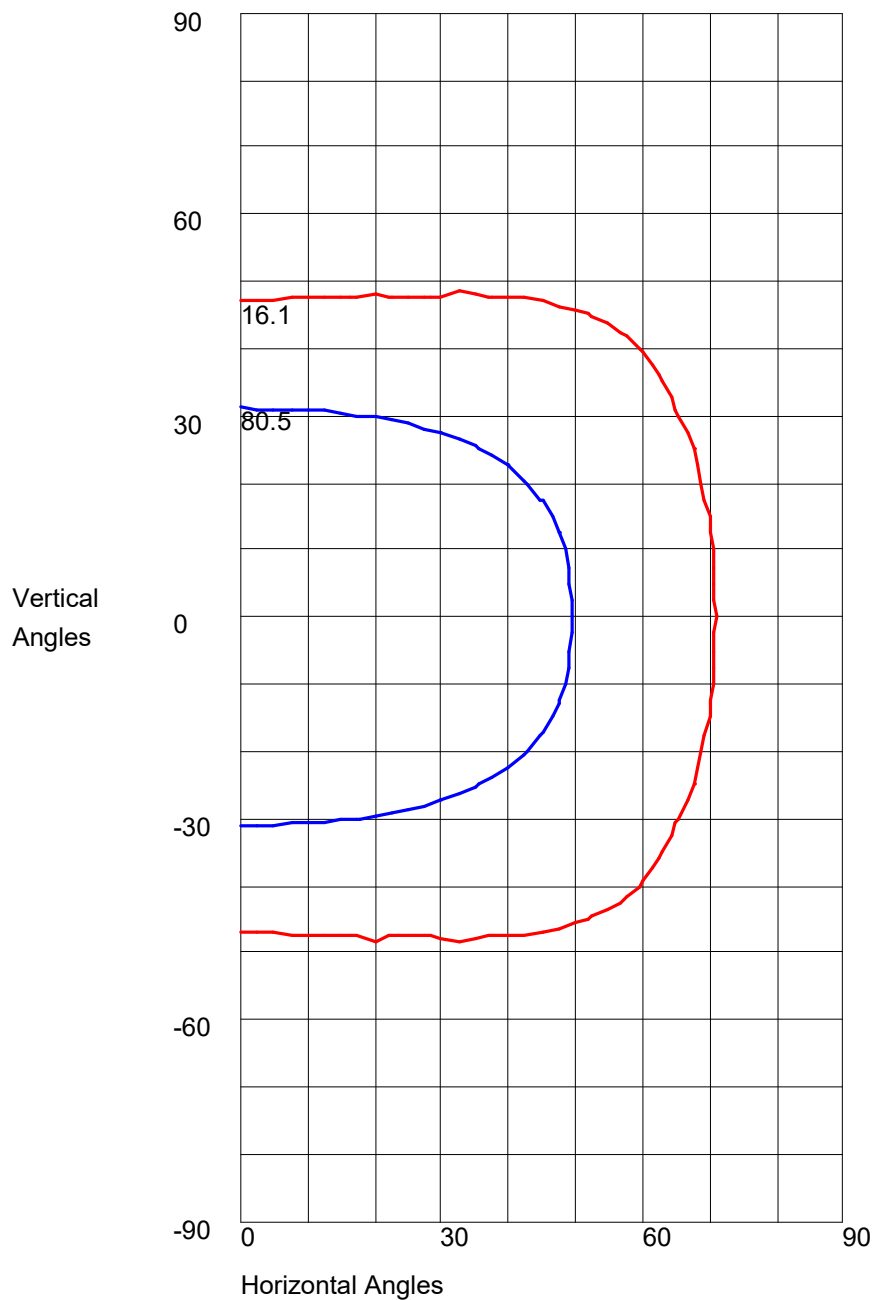
AXIAL CANDELA DISPLAY



Maximum Candela = 161 Located At Horizontal Angle =-1, Vertical Angle =-11  
H - Horizontal Axial Candela  
V - Vertical Axial Candela



## ISOCANDELA CURVES



Maximum Candela = 161 Located At Horizontal Angle =-1, Vertical Angle =-11  
50% Maximum Candela = 80.5  
10% Maximum Candela = 16.1